



Attorney Docket No. 5051-668

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Orlin Velev
Serial No.: 10/755,843
Filed: January 12, 2004

Confirmation No.: 8437
Group Art Unit: 1753

For: DROPLET TRANSPORTATION DEVICES AND METHODS HAVING A FLUID
SURFACE

June 15, 2004

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.97(b)**

Sir:

Attached is a form PTO-1449, together with a copy of each of the identified document(s). It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(b), within three months of the filing date of the above-referenced application or before the mailing of a first Office Action on the merits, whichever event occurs last. Therefore, no fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,


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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 15, 2004.

Carey Gregory

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office				Attorney Docket Number 5051-668		Serial No. 10/755,843	
LIST OF DOCUMENTS CITED BY APPLICANT							
(Use several sheets if necessary)				Applicants: Velev, Orlin			
				Filing Date January 12, 2004		Group 1753	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	A1	6,565,727	5/20/03	Shenderov	204	600	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	A2	Cho et al., "Towards digital microfluidic circuits: creating, transporting, cutting and merging liquid droplets by electrowetting-based actuation," <i>Mechanical and Aerospace Engineering Department, University of California, Los Angeles (UCLA)</i> pp. 32-35 (2002)					
	A3	Song, Helen et al., "A Microfluidic System for Controlling Reaction Networks in Time: Communications, <i>Angew. Chem. Int. Ed.</i> 42, 7 767-772 (2003)					
	A4	Jones et al., "Dielectrophoretic liquid actuation and nanodroplet formation," <i>Journal of Applied Physics</i> , 89:3 1-8 (2001)					
	A5	Jones, T.B., "Liquid dielectrophoresis on the microscale," <i>Journal of Electrostatics</i> 51}52 290-299 (2001)					
	A6	Jones, T.B., "Dielectrophoretic liquid actuation and nanodroplet formation," <i>Journal of Applied Physics</i> 89 3 1-8 (February 1, 2001)					
	A7	Lee et al., "Electrowetting and electrowetting-on-dielectric for microscale liquid handling," <i>Sensors and Actuators</i> , 95 259-268 (2002)					
	A8	Pollack et al., "Electrowetting-based actuation of liquid droplets for microfluidic applications", 77, 11 pp. 1725-26 (November 11, 2000)					
	A9	Song et al., "Millisecond kinetics on a microfluidic chip using nanoliters of reagents" <i>J. Am. Chem. Soc.</i> 125, 14613-14619 (2003)					
	A10	Velev, O.D., "Assembly of latex particles by using emulsion droplets as templates. 1. Microstructured Hollow Spheres," <i>Langmuir</i> , 12:10 2374-2384 (1996).					
	A11	Velev, O.D., "Assembly of latex particles by using emulsion droplets as templates 2. Ball-like and composite aggregates <i>Langmuir</i> , 12:10 2385-2391 (1996)					

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DATE CONSIDERED

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Applicants: Velev, Orlin	
		Filing Date January 12, 2004	Group 1753
	A12	Velev, O.D., "Assembly of latex particles by using emulsion droplets 3. reverse (water in oil) system," <i>Langmuir</i> , 13 :6 1856-1859 (1997)	
	A13	Velev et al., "A class of microstructured particles through colloidal crystallization," <i>Science</i> 287 2240-2243 (2000)	
	A16	Washizu, Masao, "Electrostatic actuation of liquid droplets for microreactor applications," <i>IEEE Transactions on Industry Applications</i> 34 4 732-737 (July/August 1998)	
	A15	Pearson, Helen, "Chemists shrink beakers into drops: Floating droplets could make biosensors" <i>American Chemical Society Meeting</i> , New York, September 2003.	
	A16	News Release, Researchers Manipulate Tiny, Floating Droplets on a Chip", NC State News Services, December 8, 2003.	
	A17	Velev, Orlin D. et al, "On-chip manipulation of free droplets, tiny free-floating drops can be driven across a liquid medium by an electric field", <i>Nature</i> , vol. 426, December 4, 2003, pages 515-516.	
	A18	Velev, Orlin D. et al, "Electrostatic manipulation of freely suspended droplets for liquid-liquid microfluidics", Submitted to <i>Nature</i> , June 7, 2003.	
	A19	"Researchers Manipulate Tiny, Floating Droplets on a Chip", Weitere Meldungen im Berich Informationstechnologie, December 10, 2003.	

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